Central Valley Flood Protection Board Update

July 22, 2016

Presented by:

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Today's Discussion

Where We've Been

- How Investment Actions Contribute to Intended Outcomes

Where We Are

- Effectiveness of Management Actions in Achieving Flood-Specific Outcomes

Where We're Going

- CVFPP State Systemwide Investment Approach Refinements





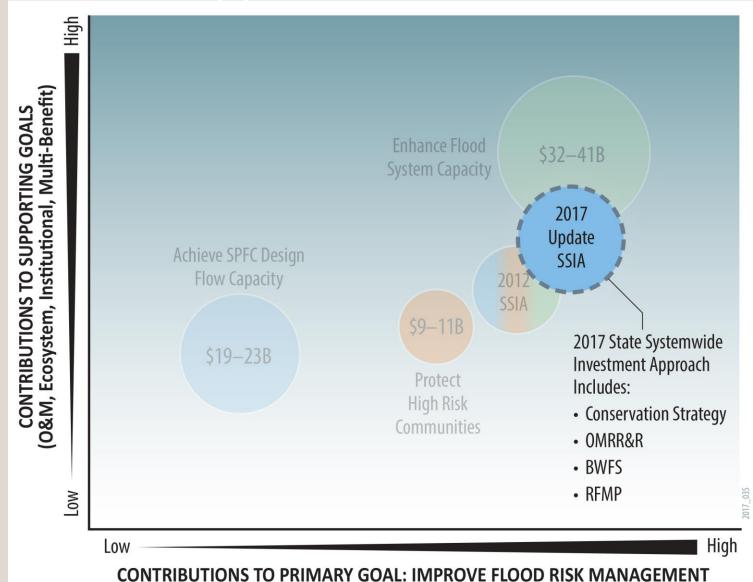
Where We've Been

How Investment Actions Contribute to Intended Outcomes

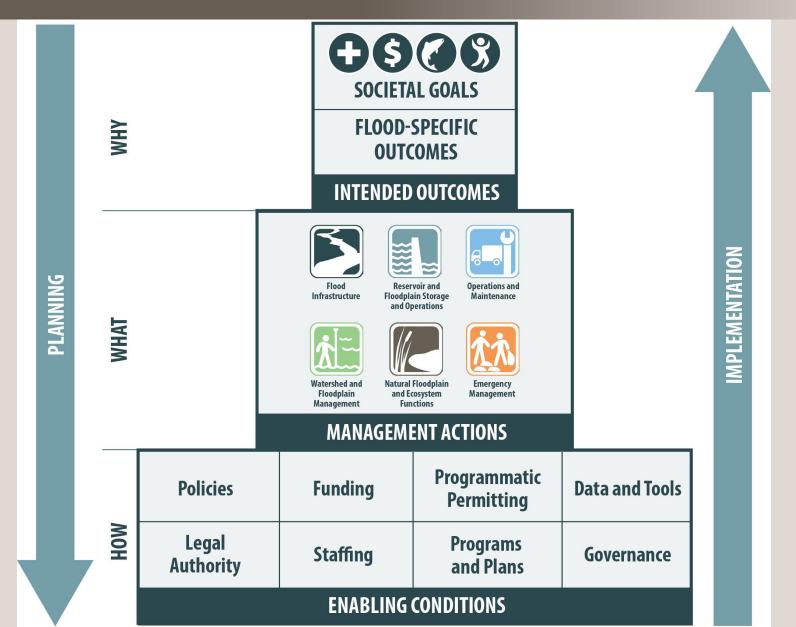




Refinements to the State Systemwide Investment Approach in 2017



Interacting Levels of Flood Management



Where We Are

Effectiveness of Management Actions in Achieving Flood-Specific Outcomes





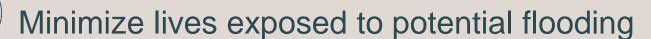
Resilient Flood Risk Management

- Manages across all components of risk
- Increases resiliency by directing resources toward actions that:
 - -limit exposure
 - -reduce vulnerability
 - -maintain system flexibility and adaptability
- Reconciles flood risk management with functioning ecosystems and other economic and social benefits
- Helps justify and establish stable, long-term funding



Flood Specific Intended Outcomes







Reduce human vulnerability to oncoming floodwaters



Increase system performance in populous areas





Minimize economic exposure to potential flooding



Reduce economic vulnerability to damages when flooding occurs



Increase system performance for economically developed areas



Produce or maintain economic benefits on floodplains

Flood Specific Intended Outcomes





Generally promote ecosystem function



Increase the quantity of functional floodplain and associated riverine habitats



Increase and maintain the abundance and diversity of floodplain dependent native species





Provide recreational benefits



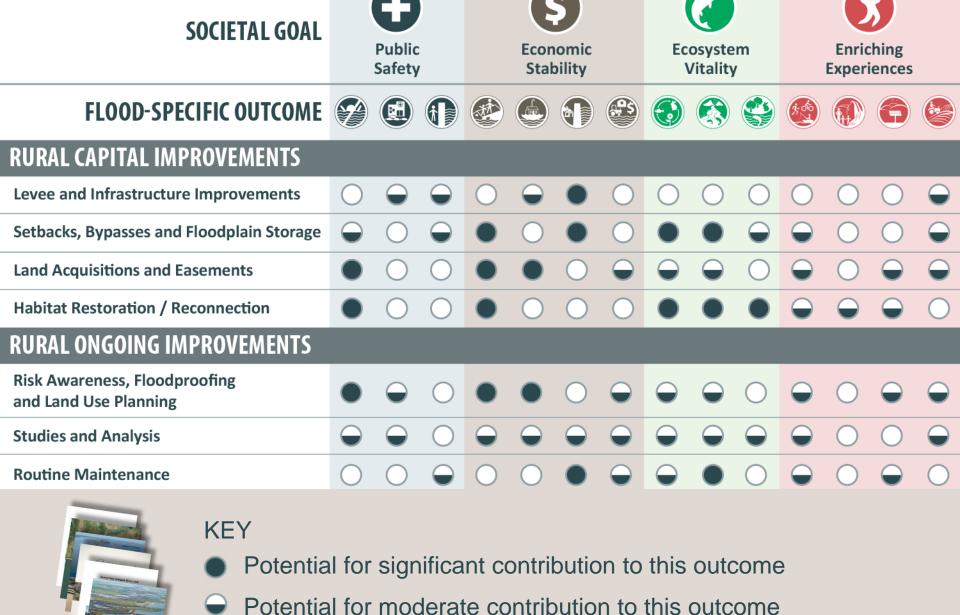
Support societal / aesthetic values



Education and public awareness

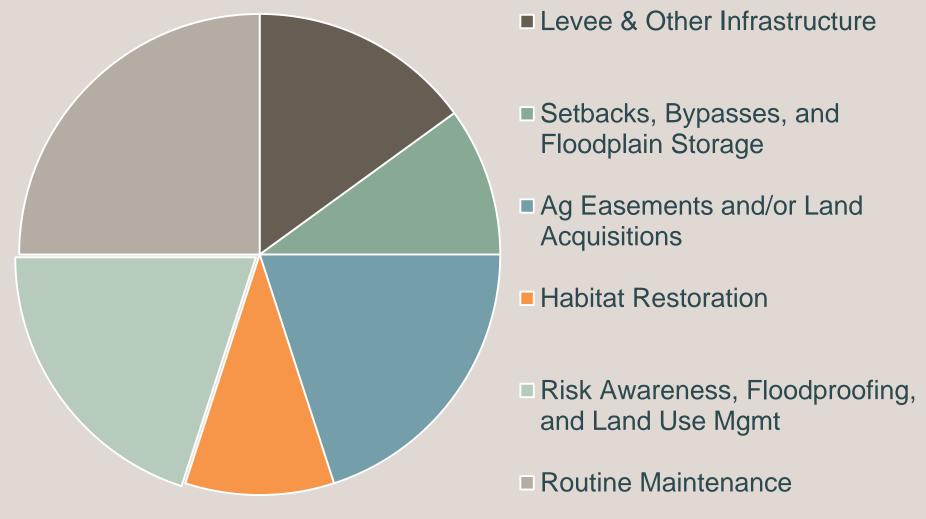


Protect significant farmland



No potential to contribute to this outcome

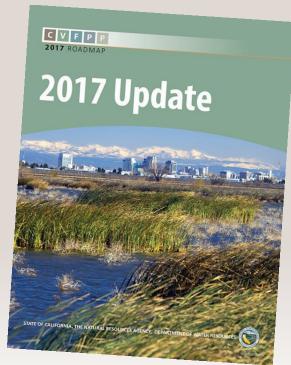
Conceptual Rural Management Action Investment Portfolio



Role of 2017 CVFPP Update

 Refines and updates the State Systemwide Investment Approach (SSIA)

- Additional specificity about recommended near and longer-term investment and financing approach
- Broad guidance about more resilient risk management





Where We're Going

CVFPP State Systemwide Investment Approach Refinements





Physical and Operational Elements in SSIA

FLOOD MANAGEMENT ELEMENT	PROJECT LOCATION OR REQUIRED COMPONENTS	ACHIEVE SPFC DESIGN FLOW CAPACITY	PROTECT HIGH RISK COMMUNITIES	ENHANCE FLOOD SYSTEM CAPACITY		STATE SYSTEMWIDE INVESTMENT APPROACH
Urban Improvements						
Target 200-Year Level of Protection	Selected projects developed by local agencies, State, federal partners		YES	YES	\rightarrow	YES
Target SPFC Design Capacity	Urban Levee Evaluations Project results	YES ²				

2012 CVFPP Table 3.2 Major Physical and Operational Elements of Preliminary Approaches and State Systemwide Investment Approach

2017 Refinements to SSIA

20	12 SSIA	2017 SSIA Refinements							
Flood Management Element	Project Location or Required Components	Management Action Categories Used in 2017 CVFPP	Summary of Refinements in 2017 CVFPP Update						
Urban: Capital Improvements									
Target 200-year Level of Protection	Selected projects developed by local agencies, State, federal partners		Potential urban improvements updated						
Non-SPFC	Includes opr xi natery 120 miles fron-SPFC levees that are closely associated with SPFC	Levee Improvements; Other Infrastructure Improvements	considering implementation progress for State-federal projects during						
Urban Levee Improvements	urban levees. Performance of these non-SPFC levees may affect the performance of SPFC levees		last 5 years and recommendations of RFMPs						

2017 CVFPP Update Table 3-1 Refinements to Physical and Operational Elements in the State Systemwide Investment Approach

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